



IPW

PTO/SB/21 (09-04)

**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

3

Application Number

10/643,774

Filing Date

August 18, 2003

First Named Inventor

Gardner, James

Art Unit

2631

Examiner Name

Unassigned

Attorney Docket Number

021245-9.00US

**ENCLOSURES (Check all that apply)**



Fee Transmittal Form



Fee Attached



Amendment/Reply



After Final



Affidavits/declaration(s)



Extension of Time Request



Express Abandonment Request



Information Disclosure Statement



Certified Copy of Priority Document(s)



Reply to Missing Parts/ Incomplete Application



Reply to Missing Parts under 37 CFR 1.52 or 1.53



Drawing(s)



Licensing-related Papers



Petition



Petition to Convert to a Provisional Application



Power of Attorney, Revocation Change of Correspondence Address



Terminal Disclaimer



Request for Refund



CD, Number of CD(s) \_\_\_\_\_



Landscape Table on CD



After Allowance Communication to TC



Appeal Communication to Board of Appeals and Interferences



Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)



Proprietary Information



Status Letter



Other Enclosure(s) (please identify below):

Return Postcard

Remarks

The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name

Townsend and Townsend and Crew LLP

Signature

Printed name

Ardeshir Tabibi

Date

November 1, 2004

Reg. No.

48,750

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature

Typed or printed name

Diane Hawley

Date

November 1, 2004



PATENT  
Attorney Docket No.: 021245-9.00US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

JAMES GARDNER et al.

Application No.: 10/643,774

Filed: August 18, 2003

For: SEARCH-EFFICIENT MIMO  
TRELLIS DECODER

Examiner: Unassigned

Art Unit: 2631

INFORMATION DISCLOSURE  
STATEMENT UNDER  
37 CFR §1.97 and §1.98

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

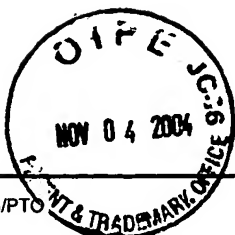
As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicants believe that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

Ardeshir Tabibi  
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Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

1

**Complete if Known**

Application Number	10/643,774
Filing Date	August 18, 2003
First Named Inventor	Gardner, James
Art Unit	2631
Examiner Name	Unassigned
Attorney Docket Number	021245-9.00US

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	BC	Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets Part I," IEEE Communications Magazine, Vol. 25, No. 2, February 1987	
	BD	Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets Part II," IEEE Communications Magazine, Vol. 25, No. 2, February 1987	
	BE	Viterbi, "Error Bounds for Convolutional Codes and an Asymptotically Optimum Decoding Algorithm," IEEE Trans. on Information Theory, Vol. IT-13, No. 2, April 1967	
	BF	G. D. Forney, Jr., "Maximum-Likelihood Sequence Detection in the Presence of Intersymbol Interference," IEEE Trans. on Information Theory, Vol. IT-18, No. 3, pp. 363-378, May 1972	
	BG	G. D. Forney, Jr., "The Viterbi Algorithm," IEEE Proceedings, Vol. 61, pp. 268-278, No. 3, March 1973	
	BH		
	BI		
	BJ		
	BK		
	BL		
	BM		

Examiner  
SignatureDate  
Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.